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PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b))	
Attorney Docket No. <u>001340.P083</u>	
First Named Inventor <u>Mark Alan Erickson</u>	
Title: <u>Method and Apparatus for Cooperative Diagnosis of Impairments and Mitigation of Disturbers in Communication Systems</u>	
Express Mail Label No. <u>EL617210574US</u>	

ADDRESS TO:	Assistant Commissioner for Patents Box Patent Application Washington, D. C. 20231
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APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. Applicant Claims Small Entity Status. (37 CFR 1.27)
3. Specification (Total Pages 54)
(preferred arrangement set forth below)
 - Descriptive Title of the Invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawings(s) (35 USC 113) (Total Sheets 11)
5. Oath or Declaration (Total Pages 6) (unsigned)
 - a. Newly Executed (Original or Copy)
 - b. Copy from a Prior Application (37 CFR 1.63(d))
(for Continuation/Divisional with Box 17 completed)
 - i. DELETIONS OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
 - c. Unsigned.
6. Application Data Sheet. (37 CFR 1.76)
7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
 - c. Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. **Assignment Papers (cover sheet & documents(s))**
10. a. Separate 37 CFR 3.73(b) Statement (where there is an assignee)
 b. Power of Attorney
11. English Translation Document (if applicable)
12. a. Information Disclosure Statement (IDS)/PTO-1449
 b. Copies of IDS Citations
13. **Preliminary Amendment**
14. **Return Receipt Postcard (MPEP 503) (Should be specifically itemized)**
15. Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. Other: Express Mail stamp with a copy of the postcard

18A. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

Continuation
Of Prior Application No.: _____ Divisional
Examiner _____ Continuation-in-part (CIP)
Group Art Unit _____

(which is a continuation/ divisional/ CIP of prior application no. _____,
which is a continuation/ divisional/ CIP of prior application no. _____) (List entire chain of priority)

For CONTINUATION AND DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18B. Statement under 37 CFR 3.73(b) for continuing application:

The undersigned states that _____ (name of assignee) is the assignee of the entire right, title, and interest in the accompanying patent application by virtue of an assignment recorded in the Patent and Trademark Office at Reel. No. _____ Frame No. _____ (or a copy of which is attached).

19. Correspondence Address

Customer Number or Bar Code Label _____
or _____ (Insert Customer No. or Attach Bar Code Label here)
 Correspondence Address Below

NAME Robert B. O'Rourke

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Name (PRINT/TYPE): Robert B. O'Rourke Registration No.: 46,972

Signature:  Date: 11/10/00

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

<u>Large Entity</u>	<u>Small Entity</u>	<u>Fee Description</u>	<u>Fee Paid</u>
Fee Code	Fee (\$)	Fee Code (\$)	
105	130	205	Surcharge - late filing fee or oath
127	50	227	Surcharge - late provisional filing fee or cover sheet
139	130	139	Non-English specification
147	2,520	147	For filing a request for ex parte reexamination
112	920*	112	Requesting publication of SIR prior to Examiner action
113	1,840*	113	Requesting publication of SIR after Examiner action
115	110	215	Extension for reply within first month
116	390	216	Extension for reply within second month
117	890	217	Extension for reply within third month
118	1,390	218	Extension for reply within fourth month
128	1,890	228	Extension for reply within fifth month
119	310	219	Notice of Appeal
120	310	220	Filing a brief in support of an appeal
121	270	221	Request for oral hearing
138	1,510	138	Petition to institute a public use proceeding
140	110	240	Petition to revive – unavoidable
141	1,240	241	Petition to revive - unintentional
142	1,240	242	Utility issue fee (or reissue)
143	440	243	Design issue fee
144	600	244	Plant issue fee
122	130	122	Petitions to the Commissioner
123	130	123	Petitions related to provisional applications
126	180	126	Submission of Information Disclosure Stmt
581	40	581	Recording each patent assignment per property (times number of properties)
146	710	246	For filing a submission after final rejection (see 37 CFR 1.129(a))
149	710	249	For each additional invention to be examined (see 37 CFR 1.129(b))
179	710	279	Request for Continued Examination (RCE)
169	900	169	Request for expedited examination of a design application

Other fee (specify) _____

Other fee (specify) _____

SUBTOTAL (3) \$0

*Reduced by Basic Filing Fee Paid

SUBMITTED BY:Typed or Printed Name: Robert B. O'RourkeSignature: MSR Date: 11/10/00Reg. Number: 46,972 Telephone Number: 408-720-8300 x 335**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

JCE92 U.S. PTO
09/710579



EXPRESS MAIL CERTIFICATE OF MAILING

"Express Mail" mailing label number: EL617210574US

Date of Deposit: November 10, 2000

I hereby certify that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to the Assistant Commissioner for Patents, Washington, D. C. 20231

John Cox
(Typed or printed name of person mailing paper or fee)

John Cox
(Signature of person mailing paper or fee)

11/10/00
(Date signed)

Serial/Patent No.: <u>Unknown</u>	Filing/Issue Date: <u>Herewith</u>
Client: <u>Voyan Technology</u>	
Title: <u>Method and Apparatus for Cooperative Diagnosis of Impairments and Mitigation of Disturbers in Communication Systems</u>	
BSTZ File No.: <u>001340 P083</u>	Atty/Secty Initials: <u>ROR/lc</u>
Date Mailed: <u>11/10/00</u>	Docket Due Date: _____
The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:	
<input type="checkbox"/> Amendment/Response (____ pgs.)	
<input type="checkbox"/> Appeal Brief (____ pgs.) (in triplicate)	
<input checked="" type="checkbox"/> Application - Utility (____ pgs., with cover and abstract)	
<input type="checkbox"/> Application - Rule 1.53(b) Continuation (____ pgs.)	
<input type="checkbox"/> Application - Rule 1.53(b) Divisional (____ pgs.)	
<input type="checkbox"/> Application - Rule 1.53(b) CIP (____ pgs.)	
<input type="checkbox"/> Application - Rule 1.53(d) CPA Transmittal (____ pgs.)	
<input type="checkbox"/> Application - Design (____ pgs.)	
<input type="checkbox"/> Application - PCT (____ pgs.)	
<input type="checkbox"/> Application - Provisional (____ pgs.)	
<input type="checkbox"/> Assignment and Cover Sheet	
<input checked="" type="checkbox"/> Certificate of Mailing Express Mail	
<input checked="" type="checkbox"/> Declaration & POA (6 pgs.) (unsigned)	
<input type="checkbox"/> Disclosure Docs & Oig & Cpy of Inventor Signed Later (____ pgs)	
<input checked="" type="checkbox"/> Drawings: <u>11</u> # of sheets includes <u>12</u> figures	
<input checked="" type="checkbox"/> Other: <u>Utility Transmittal (2 pages)</u>	
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